

Claims:

1. A laminate of two or more layers, comprising:
at least one organic synthetic filament non-woven
layer, and at least one woven web or scrim of glass
5 fibers pre-consolidated by a binding agent,
said synthetic non-wovens and said woven webs or
scrims are bound by needling such that a part of the
polyester filaments penetrate through the laminate and
emerge at the lower surface of the laminate and lie
10 adjacent thereto; and
wherein the formed laminate is subjected to a final
consolidation by an acrylate or a styrene binder.
2. The laminate according to Claim 1, wherein the
binding agent is selected from the group consisting of
15 polyvinylacetate and starch, urea and melamine.
3. The laminate according to Claim 1, wherein said
synthetic filaments are heat shrunk.
4. The laminate according to Claim 1, wherein said
synthetic filaments are thermally pre-consolidated by
20 calendering.
5. The laminate according to Claim 1, wherein said
synthetic filament non-woven layer is pre-consolidated
by needling.
6. The laminate according to Claim 1, wherein said
25 synthetic non-woven layer and said woven web or scrim
are bound by needling having 30 - 50 stitches/cm².

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7. The laminate according to Claim 1, wherein said laminate, comprises about 5 to 35 weight percent acrylate or styrene binder based on the total weight of synthetic filament non-wovens and the glass woven web or
5 scrim for final consolidation.

8. The laminate according to Claim 1, wherein said laminate, comprises about 14 to 18 weight percent acrylate or styrene binder based on the total weight of synthetic filament non-wovens and the glass woven web or
10 scrim for final consolidation.

9. The laminate according to Claim 1, wherein said laminate is produced at a minor draft in the needle
15 machine.

10. The laminate according to Claim 9, wherein,
15 said draft is from about 0 - 13 mm/stroke.

11. The laminate according to claim 1, wherein the laminate includes two synthetic non-woven layers and a glass containing woven web, wherein the glass woven web includes weft and warp yarns, the titer of which differs
20 by at least a factor of 2.

12. The laminate according to Claim 1, wherein the laminate comprises three layers and the synthetic non-wovens are not pre-consolidated.

13. The laminate according to Claim 1, wherein
25 said glass woven web includes continuous glass filaments

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5 *RAH* 15. The laminate according to woven web or scrim contains fibers of the thereof and ECR fibers.

16. A method for the production

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18. The method according to Claim 16, wherein said synthetic filaments are heat shrunk.

19. The method according to Claim 16, wherein said synthetic filament non-woven is thermally pre-consolidated by calendering or by needling.

20. The method according to Claims 16, wherein pre-consolidation needling or binding by needling is performed using needles having a distance between the needle point and first barb of about 2 to 4mm.

21. The method according to Claim 16, wherein said needling is executed at a forward feed ratio of less than 14mm/stroke.

22. The method according to Claim 16, wherein said needling is executed at a small draft.

23. The method according to Claim 22, wherein draft is about 0 to 13mm/stroke.

24. The method according to Claim 16, wherein a woven web or scrim includes fibers of C, E, mixtures thereof and ECR glass.

25. Method of using the laminate of Claim 1 as a carrier web for bituminized roofing webs or sealing membranes.

26. Method of using the laminate produced by the method of Claim 13 as a carrier web for bituminized roofing webs or sealing membranes.

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